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1   The case for transient authentication

Brian D. Noble, Mark D. Corner
July 2002   EW 10: Proceedings of the 10th workshop on ACM SIGOPS European workshop
Publisher: ACM
Full text available: 📄 pdf (140.50 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 20,   Citation Count: 0

How does a machine know who is using it? Currently, systems assume that the user typing now is the same person who supplied a password days ago. Such *persistent authentication* is inappropriate for mobile and ubiquitous systems, because associations ...

2   Securing passwords against dictionary attacks

Benny Pinkas, Tomas Sander
November 2002   CCS '02: Proceedings of the 9th ACM conference on Computer and communications security
Publisher: ACM
Full text available: 📄 pdf (216.72 KB)   Additional Information: full citation, abstract, references, cited by, index terms

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The use of passwords is a major point of vulnerability in computer security, as passwords are often easy to guess by automated programs running dictionary attacks. Passwords remain the most widely used authentication method despite their well-known security ...

3 Securing wireless data: system architecture challenges

Srivaths Ravi, Anand Raghunathan, Nachiketh Potlapally

October 2002	ISSS '02: Proceedings of the 15th international symposium on System Synthesis

Publisher: ACM

Full text available: Pdf (172.35 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 356, Citation Count: 13

Security is critical to a wide range of current and future wireless data applications and services. This paper highlights the challenges posed by the need for security during system architecture design for wireless handsets, and provides an overview ...

Keywords: 3DES, AES, DES, IPSec, RSA, SSL, WTLS, decryption, design methodology, embedded system, encryption, handset, mobile computing, performance, platform, security, security processing, system architecture, wireless communications

4 Commercial key recovery

Stephen T. Walker, Steven B. Lipner, Carl M. Ellison, David M. Balenson

March 1996	Communications of the ACM , Volume 39 Issue 3

Publisher: ACM

Full text available: Pdf (536.19 KB)

Additional Information: full citation, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 49, Citation Count: 2

5 Zero-interaction authentication

Mark D. Corner, Brian D. Noble

September 2002	MobiCom '02: Proceedings of the 8th annual international conference on Mobile computing and networking

Publisher: ACM

Full text available: Pdf (273.30 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 157, Citation Count: 14

Laptops are vulnerable to theft, greatly increasing the likelihood of exposing sensitive files. Unfortunately, storing data in a cryptographic file system does not fully address this problem. Such systems ask the user to imbue them with long-term authority ...

Keywords: cryptographic file systems, mobile computing, stackable file systems, transient authentication

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